

DaimlerChrysler AG

Patent Claims

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1. A device for locking and unlocking a vehicle door (2) with a door handle (4) which is attached to the outer side thereof and an unlocking sensor (6), arranged in the door-end internal region of the door handle (4), for unlocking the door (2), wherein the vehicle door is secured by an electronic access authorization system, characterized in that an identification sensor (8) is additionally provided in the vicinity of the door handle (4) and an identification code interrogation by the access authorization system can be started with said identification sensor (8).

2. The device as claimed in claim 1, characterized in that the identification sensor (8) is a capacitive sensor.

3. The device as claimed in claim 1, characterized in that the unlocking sensor (6) is a capacitive sensor.

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4. The device as claimed in claim 2 and 3, characterized in that the identification sensor (8) has a lower degree of sensitivity than the unlocking sensor (6).

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5. The device as claimed in one of claims 1, characterized in that a locking sensor (10) is provided for locking the door (2) in the region of the door handle (4) facing away from the door.

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6. The device as claimed in claim 5, characterized in that the locking sensor (10) and the identification sensor (6) are functionally combined in a single

sensor.

7. The device as claimed in claim 5 or 6,
characterized in that the locking sensor (1) is
5 embodied as a capacitive sensor.

7. The device as claimed in claim 1, characterized in
that during the identification interrogation an
identification code on an external chip card which is
10 carried along, in particular by the user, is
interrogated.